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PESTICIDES

Inspection report

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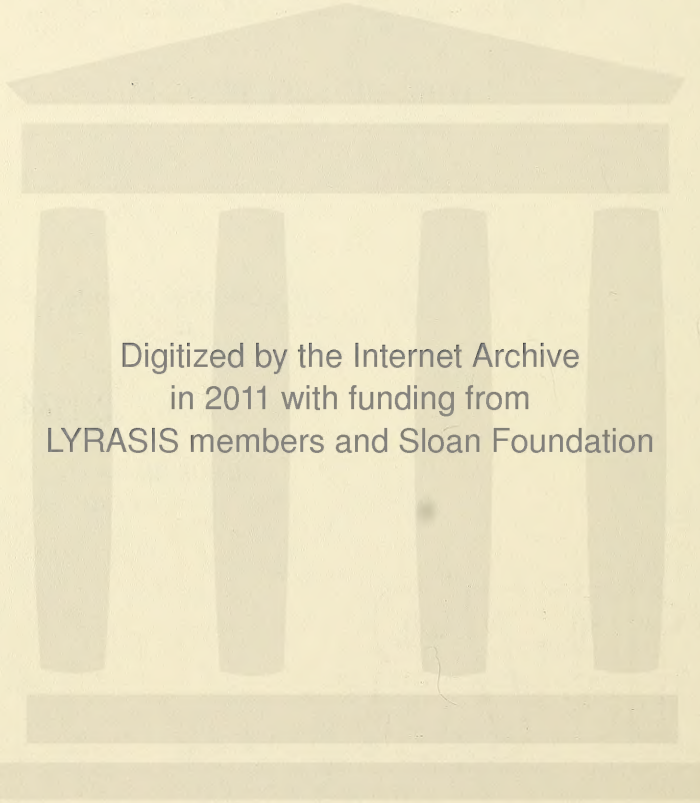
1973

J. GORDON HANNA



STATE

Bulletin 741
March, 1974



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PESTICIDES

INSPECTION REPORT

1973

J. Gordon Hanna, Chief Chemist

The Connecticut Act Regulating the Distribution, Sale and Transportation of Pesticides is administered by the Commissioner of Environmental Protection. The act requires that pesticides shall be sampled under the joint direction of the Commissioner and the Director of The Connecticut Agricultural Experiment Station. This Station is required to purchase and analyze samples of brands of pesticides offered for sale in Connecticut. Results of such analyses are to be published in the bulletins of the Station with such information regarding the character, composition, and use thereof as may be of public interest and importance.

The bulletin is in the form of a table presenting the number of samples from each manufacturer analyzed, the number of deficiencies found for each of the various components of the formulations, and the average percent claim found for each component.

The number of pesticide samples collected during the inspection period was 319, and 411 analytical determinations were made on them since some formulations contain more than one active ingredient. Products from 64 manufacturers are summarized in the table.

Analytical work was done by Martha Fuzesi and Richard Botsford, with sampling by R. Richard Nichols. The report was prepared by Martha Fuzesi, with the assistance of Charlotte Peet.

The following permissive guarantee variations suggested by the Association of American Pesticide Control Officials were used as guidelines to evaluate conformance to claims:

<u>Guarantee, %</u>	<u>Allowable Deviation Below Guarantee</u>
less than 1.0	15% of Guarantee
1.00 - 19.99	0.1 plus 5% of Guarantee
20.00 - 49.99	0.5 plus 3% of Guarantee
50.00 - 100.00	1.0 plus 2% of Guarantee

Acme Insecticide Division, Sherwin Williams Co.	No. of Samples	Pesticide	No. of Guarantees	No. of Deficiencies	Average % of Claims
Acme Insecticide Division, Sherwin Williams Co.	16	Captan	1	0	103
		Chlordane	3	0	101
		Dacthal	1	0	99
		Dimite	1	0	99
		DiSyston	1	0	97
		Folpet	1	0	99
		Karathane	1	0	100
		Kelthane	1	0	108
		Malathion	2	0	106
		Methoxychlor	1	0	98
		Rotenone	2	0	99
		Sevin	4	0	103
		Sulfur	1	0	100
		Zineb	1	0	109
		Dacthal	1	0	100
		Siduron	1	1	19
Agrico Chemical Co.	3	Thiram	1	0	104
Agricultural Products Co.	5	Captan	1	0	97
		Chlordane	1	0	105
		Folpet	1	0	101

Agricultural Products Co. (Cont.)

Agway, Inc.

19

Malathion	2	0	101
Rotenone	1	0	95
Sevin	3	0	101
Zineb	1	0	100
Captan	2	0	101
Chlordane	2	0	107
Ciodrin	1	0	98
Dacthal	2	2	76
Dursban	2	0	100
Ferbam	1	0	99
Folpet	1	0	95
Lindane	1	0	95
Kelthane	1	0	99
Malathion	4	0	104
Methoxychlor	2	0	99
Rotenone	1	0	99
Sevin	3	0	100
Siduron	3	0	101
Sevin	1	0	103

Allied Mills, Inc.

1

Amchem Products, Inc.

2

2,4-D + Silvex	1	1	60
2,4,5-T + Silvex	1	0	104

American Cyanamid Co.

1

Cyprex	1	0	100
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Asgrow Mandeville Co.

6

Aspon	1	0	100
2,4-D + Silvex	2	0	117
Dyrene	1	0	110
Siduron	2	0	97

	No. of Samples	Pesticide	No. of Guarantees	No. of Deficiencies	Average % of Claims
Black Leaf Products Co.	10	Chlordane	3	0	101
		2,4-D	1	0	93
		Folpet	1	0	99
		Kelthane	1	0	98
		Malathion	2	0	99
		Maneb	1	0	100
		Rotenone	1	0	93
		Sevin	4	0	103
Bonide Chemical Co., Inc.	27	Captan	6	0	101
		Chlordane	1	0	101
		2,4-D + 2,4,5-T	1	0	103
		DDT	1	0	110
		Diazinon	1	0	110
		Dieldrin	1	0	96
		Folpet	1	0	99
		Karathane	1	0	100
		Kelthane	2	0	101
		Lindane	2	0	99
		Malathion	7	1	101
		Maneb	1	0	100
		Meta-Systox	1	0	99
		Methoxychlor	6	0	100

Bonide Chemical Co., Inc. (Cont.)

Boyle-Midway, Inc.

6

Pyrethrins	2	0	103
Rotenone	3	0	104
Sevin	5	0	102
Captan	2	0	102
Eptam	1	0	90
Malathion	3	0	102
Methoxychlor	2	0	101
Sulfur	2	0	102
Vapona	2	0	101

Central Chemical Corp.

1

Sevin	1	0	100
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Chevron Chemical Co.

27

Aspon	1	0	107
Captan	3	0	108
Chlordane	1	0	102
2,4-D + Silvex	1	0	95
Diazinon	2	0	101
Di-Syston	3	0	104
Dyrene	1	0	100
Folpet	3	0	99
Kelthane	2	0	99
Lindane	1	0	100
Malathion	3	0	101
Maneb	1	0	99
Meta-Systox R	1	0	100
Methoxychlor	2	0	101
Pyrethrins	1	0	100
Rotenone	2	0	98
Sevin	6	0	100

	No. of Samples	Pesticide	No. of Guarantees	No. of Deficiencies	Average % of Claims
Chevron Chemical Co. (Cont.)		Siduron	1	0	102
		Silvex	1	0	105
		Sulfur	1	0	100
		Trifluralin	1	0	97
Comar Industries	1	Captan	1	0	99
		Malathion	1	0	99
		Methoxychlor	1	0	97
		Sulfur	1	0	100
Corenco Corporation	1	Balan	1	0	101
The d-Con Co., Inc.	1	Pyrethrins	1	0	96
Diamond Shamrock Corp.	8	Aspon	1	0	100
		Chlordane	1	0	99
		Daconil	2	0	100
		Dacthal	3	0	99
		Di-Systox	1	0	117
		Karathane	1	0	94
		Sevin	2	0	101

				Pesticides		9
E. I. Du Pont de Nemours & Co.	2	Maneb Zineb	1 1	0 0	99 100	
Elanco Products Co., Division of Eli Lilly & Co.	11	Balan	2	0	100	
		Captan	1	0	100	
		2,4-D + MCPP	1	0	109	
		2,4-D + Silvex	1	0	97	
		Malathion	2	0	101	
		Meta-Systox R	1	0	100	
		Methoxychlor	2	0	98	
		Sevin	1	1	73	
		Siduron	1	0	103	
		Trifluralin	2	0	108	
		Pyrethrins	1	0	120	
Essex Chemical Corp., Consumer Products Div.	1	Pyrethrins	1	0	120	
Faesy & Besthoff, Inc.	3	Dyrene	1	1	32	
		Malathion	1	0	100	
		Maneb	1	1	41	
		Sevin	1	0	100	
Farmingdale Garden Labs., Inc.	9	Captan	1	1	78	
		Chlordane	1	0	101	
		2,4-D + Silvex	1	0	100	
		Ethion	1	0	102	
		Folpet	1	0	100	
		Kelthane	1	0	100	
		Lindane	1	0	99	
		Malathion	3	0	102	

	No. of Samples	Pesticide	No. of Guarantees	No. of Deficiencies	Average % of Claims
Farmingdale Garden Labs., Inc. (Cont.)					
		Methoxychlor	1	0	96
		Sevin	3	0	100
		Sulfur	1	0	100
Farnam Companies	1	Dylox	1	0	100
Free Flow Fertilizer Co.	1	2,4-D	1	0	100
Geigy Agricultural Chemicals	2	Diazinon	2	0	96
W. T. Grant Co.	10	Captan	1	0	97
		Chlordane	1	0	98
		Diazinon	1	0	102
		Folpet	1	0	98
		Kelthane	1	0	87
		Malathion	3	2	82
		Maneb	1	0	100
		Methoxychlor	1	0	98
		Pyrethrins	2	0	95
		Sevin	4	1	92
Gulf Oil Corp.	3	Diazinon	1	0	97
		Pyrethrins	2	0	97

The Chas. C. Hart Seed Co.	2	2,4-D 2,4-D + Silvex	1	0	93
			1	0	111
Hartz Mountain Pet Foods	2	Pyrethrins Sevin	1	0	92
			1	0	110
A. H. Hoffman, Inc.	2	Di-Syston Trifluralin	1	0	92
			1	0	98
S. C. Johnson & Son, Inc.	3	Perthane Pyrethrins Vapona	1	0	97
			1	0	89
			1	0	99
			1	0	99
Judd-Ringer Corp.	1	2,4-D + Silvex	1	0	99
Kerr-McGee Chemical Corp.	3	Chlordane Diazinon Tupersan	1	0	100
			1	0	98
			1	0	104
E. J. Korvette, Inc., Division of Spartans Ind., Inc.	5	Captan Diazinon Malathion Methoxychlor Sevin Sulfur	1	0	100
			1	0	103
			2	0	101
			1	0	98
			2	0	105
			2	0	100
S. S. Kresge Co.	4	Chlordane Folpet Kelthane Malathion Sevin	1	0	101
			1	0	99
			1	0	98
			2	1	88
			2	0	101
			2	0	101

	No. of Samples	Pesticide	No. of Guarantees	No. of Deficiencies	Average % of Claims
Lebanon Chemical Corp.	2	Aspon Rotenone Zineb	1 1 1	0 0 0	100 106 96
McArdles Seed Co.	1	Aspon	1	0	113
Nassau Garden, Inc.	4	Dacthal Sevin Siduron Trifluralin	1 1 1 1	0 0 0 1	98 102 100 36
Nott Manufacturing Co.	1	Lindane Thiram	1 1	0 0	110 100
Old Fox Chemical, Inc.	1	Dacthal	1	0	98
The Parrott Chemical Co.	7	Captan Copper Malathion Methoxychlor Rotenone Sevin	2 1 2 1 3 1	0 0 0 0 0 0	104 100 102 110 101 99
Charles Pfizer & Co.	1	Sevin	1	0	102

			Pesticides			13
Plantabbs Corp.	1	Malathion	1	0	103	
B. G. Pratt Co.	18	Captan	1	0	100	
		DiSyston	1	0	96	
		Dursban	1	0	102	
		Folpet	2	0	98	
		Kelthane	5	0	104	
		Lindane	1	0	99	
		Malathion	7	3	90	
		Maneb	2	0	99	
		Methoxychlor	4	0	101	
		Pyrethrins	3	0	93	
		Rotenone	2	0	103	
		Sevin	5	0	99	
		Sulfur	2	0	100	
Ralston Purina Co.	5	Captan	1	0	102	
		Malathion	2	0	102	
		Perthane	1	0	110	
		Pyrethrins	1	0	100	
		Sevin	1	0	101	
		Zineb	1	0	98	
Rockland Chemical Co., Inc.	5	Chlordane	1	1	83	
		Dursban	2	0	98	
		Dyrene	1	0	98	
		Ferbam	1	0	101	
		Siduron	1	0	94	
Rohn & Haas Company	3	Karathane	2	0	100	
		Maneb	1	0	101	

	No. of Samples	Pesticide	No. of Guarantees	No. of Deficiencies	Average % of Claims
Ross Daniels, Inc.	1	DiSyston	1	0	120
Science Products Co., Inc.	15	Captan	3	1	67
		Diazinon	1	0	98
		DiSyston	1	0	101
		Dursban	1	0	102
		Folpet	2	1	93
		Kelthane	5	0	103
		Malathion	5	1	78
		Maneb	1	0	100
		Methoxychlor	6	1	83
		Rotenone	1	0	120
		Sevin	2	0	99
		Thiram	2	0	101
O. M. Scott & Sons Co.	1	Ethion	1	0	97
Seacoast Laboratories, Inc.	16	Chlordane	1	0	105
		Diazinon	1	0	113
		Dursban	1	0	100
		Folpet	1	0	98
		Kelthane	1	0	104
		Malathion	4	0	101

Seacoast Laboratories, Inc. (Cont.)				Pesticides		15
	Methoxychlor	3	0			106
	Rotenone	2	0			105
	Sevin	4	0			102
	Siduron	1	0			103
	Zineb	2	0			101
Sears, Roebuck & Co.	Captan	1	0			99
	Chlordane	2	0			98
	2,4-D	1	1			68
	2,4-D + Banvel	1	0			98
	Dacthal	1	0			96
	Dylox	1	0			105
	Folpet	1	0			96
	Malathion	2	0			103
	Maneb	1	0			108
	Methoxychlor	1	0			98
	Rotenone	1	0			120
	Sevin	2	0			104
	Zineb	1	0			102
Shell Chemical Co., Division of Shell Oil Co.	Gardona	1	0			99
	Vapona	2	0			101
The Sherwin-Williams Co.	Captan	1	0			102
	Malathion	1	0			110
	Methoxychlor	1	0			98
Spartans Industries, Inc.	2,4-D	1	0			91
Stauffer Chemical Co.	Ferbam	1	0			99

No. of Samples	Pesticide	No. of Guarantees	No. of Deficiencies	Average %	
				of Claims	of Claims
1	Stim-U-Plant Laboratories, Inc Chlordane V-C 13	1 1	0 0	103 97	
8	Swift Agricultural Chemical Corp. Captan 2,4-D 2,4-D + MCPP Dacthal Karathane Malathion Maneb Sevin	1 1 1 1 1 1 2 5	0 0 0 0 0 0 0 0	95 96 117 97 100 102 104 101	
1	Swiss Farms, Inc. Pyrethrins	1	0	90	
1	Thompson-Hayward Chemical Co. Dichlobenil	1	0	99	
1	Thuron Industrial Sales, Inc. Vapona	1	0	101	
1	Uniroyal Chemical, Division of Uniroyal, Inc. Omite	1	0	98	

USS Agri-Chemicals, Division
of U.S. Steel

1

DiSyston
Treflan

1 1

1 0

56
100

F. W. Woolworth Co.

5

Captan
Chlordane
Folpet
Kelthane
Malathion
Maneb
Methoxychlor
Sevin

1 1 1 1 3 1 1 1 2

0 0 1 0 1 1 0 0 0

99
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